

West Central Phoenix (WCP) East Grand Avenue

Boundaries:

The site is bounded approximately by Whitton Avenue to the north, 27th Avenue to the east, Catalina Drive to the south, and 33rd Drive to the west.

Site History:

- Volatile organic compounds (VOCs) were first detected in groundwater in the WCP area in July 1982. The City of Phoenix (COP) detected trichloroethylene (TCE) in four municipal public supply wells, COP #70, #71, #151, and #152. The Arizona Department of Health Services (ADHS), Salt River Project (SRP), and the COP confirmed the presence of VOCs in the groundwater with sampling in 1983, 1985, and 1986. Groundwater from COP Wells #70 and #71 contained the highest concentrations of TCE and, therefore, were immediately shut down. Wells #151 and #152 were monitored for VOC concentrations from 1982 until 1989. As a result of sampling conducted during February of 1989, COP elected to take both wells #151 and #152 off-line on March 7, 1989.
- In 1987, the WCP area was designated a Water Quality Assurance Revolving Fund (WQARF) Priority List site. In 1997, ADEQ established the WQARF Registry which replaced the Priority List.
- The site was placed on the WQARF Registry in April 1998 with a score of 26 out of a possible 120. The site score was re-evaluated in 2000 with a revised score of 31.

Site Status:

- The remedial investigation (RI) continues, currently centered around the former Van Waters and Rogers (VW&R) Facility.
- As required under ARS §49-287.03(C), Univar and ADEQ entered into an agreement to conduct the feasibility study, groundwater monitoring, aquifer testing, and groundwater modeling for the site. As a result, in March 2003, Univar took over the quarterly groundwater sampling activities. Univar continues to monitor groundwater quality and conducted its latest quarterly groundwater sampling event in December 2003.
- ADEQ plans to issue a draft RI report and water and land use report by March 2004.
- In FY03, Univar installed a soil vapor extraction (SVE) system at the former Van Waters & Rogers (VW&R) facility. System testing was conducted the week of January 5, 2004 and the SVE system became operational on January 14, 2004.

Site Hydrogeology:

- The site is located within the West Salt River Valley sub-basin of the Phoenix Active Management Area (AMA). The Salt River Valley is an alluvial filled basin located in the Basin & Range physiographic province.
- The site is underlain by primarily sandy silts and silty sands with interbedded clay layers and gravelly sand zones.
- Due principally to the ongoing drought, depth to groundwater has declined considerably in the past several years. This is attributed principally to the ongoing drought. In 1997, the depth to groundwater was approximately 105 feet below ground surface (bgs); by 2002 it was approximately 123 feet bgs. Groundwater flows to the south-southwest beneath the site at a gradient of approximately 0.002.
- The Grand Canal is located along the northern edge of the site. The Grand Canal is generally lined on the bottom and both sides in the vicinity of the site. However, some recharge to the aquifer occurs due to infiltration from the canal.

Contaminants:

The current contaminants of concern in groundwater include the chlorinated solvents tetrachloroethene (PCE), trichloroethene (TCE) and 1,1-dichloroethene (1,1-DCE). Contaminants of concern at the site may change as new data become available.

Other contaminants at the site include benzene, toluene, and ethylbenzene, and nitrates.

Public Health Impact:

To date, testing in the WCP area indicates no exposure to the contamination. Sampling shows that the contaminated soils are under asphalt parking lots or asphalt-surfaced storage areas, or under the concrete floors of buildings. Contaminated drinking water wells in the area have been shut down. In addition, notices have been sent out to all known residences within the WCP area for the testing of domestic wells for contamination.

Community Involvement Activities:

A community advisory board (CAB) has been formed for the site and meets on a regular basis. These meetings are open to the public. The CAB meeting agendas and minutes can be viewed at <http://www.adeq.az.us/envIRON/waste/sps/reg.html>.

Information Repositories:

Interested parties can review site information at the Information Repository at the Burton Barr Central Library (Arizona Room) located at 1221 North Central Avenue in Phoenix (602) 262-4636. Site information is also available at the ADEQ main office located at 1110 West

Washington Street, Phoenix. Site information is available for review Monday through Friday from 8 a.m. to 5 p.m. To arrange for a time to review the public site file, please call the ADEQ Records Center (602) 771-4378 or (800) 234-5677 (Arizona toll free).

Contacts:

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*In Arizona, but outside the Phoenix area, call toll-free at (800) 234-5677.